

Harald Kugel

List of Publications by Citations

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242
papers

12,116
citations

62
h-index

99
g-index

271
ext. papers

14,029
ext. citations

5.2
avg, IF

5.66
L-index

#	Paper	IF	Citations
242	Limbic scars: long-term consequences of childhood maltreatment revealed by functional and structural magnetic resonance imaging. <i>Biological Psychiatry</i> , 2012 , 71, 286-93	7.9	656
241	Cortical abnormalities in adults and adolescents with major depression based on brain scans from 20 cohorts worldwide in the ENIGMA Major Depressive Disorder Working Group. <i>Molecular Psychiatry</i> , 2017 , 22, 900-909	15.1	514
240	Cortical abnormalities in bipolar disorder: an MRI analysis of 6503 individuals from the ENIGMA Bipolar Disorder Working Group. <i>Molecular Psychiatry</i> , 2018 , 23, 932-942	15.1	340
239	Automatic mood-congruent amygdala responses to masked facial expressions in major depression. <i>Biological Psychiatry</i> , 2010 , 67, 155-60	7.9	249
238	Human brain tumors: spectral patterns detected with localized H-1 MR spectroscopy. <i>Radiology</i> , 1992 , 183, 701-9	20.5	229
237	Functional anatomy of visuo-spatial working memory during mental rotation is influenced by sex, menstrual cycle, and sex steroid hormones. <i>Neuropsychologia</i> , 2007 , 45, 3203-14	3.2	207
236	Prediction of Individual Response to Electroconvulsive Therapy via Machine Learning on Structural Magnetic Resonance Imaging Data. <i>JAMA Psychiatry</i> , 2016 , 73, 557-64	14.5	181
235	Age- and sex-specific differences in the 1H-spectrum of vertebral bone marrow. <i>Journal of Magnetic Resonance Imaging</i> , 2001 , 13, 263-8	5.6	176
234	Brain morphometric biomarkers distinguishing unipolar and bipolar depression. A voxel-based morphometry-pattern classification approach. <i>JAMA Psychiatry</i> , 2014 , 71, 1222-30	14.5	173
233	Childhood maltreatment is associated with an automatic negative emotion processing bias in the amygdala. <i>Human Brain Mapping</i> , 2013 , 34, 2899-909	5.9	172
232	Nonlinear Responses Within the Medial Prefrontal Cortex Reveal When Specific Implicit Information Influences Economic Decision Making 2005 , 15, 171-182		164
231	Reduced amygdala-prefrontal coupling in major depression: association with MAOA genotype and illness severity. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 11-22	5.8	162
230	Individual differences in alexithymia and brain response to masked emotion faces. <i>Cortex</i> , 2010 , 46, 658-68	5.8	146
229	5-HTTLPR biases amygdala activity in response to masked facial expressions in major depression. <i>Neuropsychopharmacology</i> , 2008 , 33, 418-24	8.7	145
228	The interleukin 1 beta (IL1B) gene is associated with failure to achieve remission and impaired emotion processing in major depression. <i>Biological Psychiatry</i> , 2010 , 67, 543-9	7.9	144
227	A gene for autosomal dominant paroxysmal choreoathetosis/spasticity (CSE) maps to the vicinity of a potassium channel gene cluster on chromosome 1p, probably within 2 cM between D1S443 and D1S197. <i>Genomics</i> , 1996 , 31, 90-4	4.3	140
226	Neuropeptide S receptor gene -- converging evidence for a role in panic disorder. <i>Molecular Psychiatry</i> , 2011 , 16, 938-48	15.1	137

225	Dehydration confounds the assessment of brain atrophy. <i>Neurology</i> , 2005 , 64, 548-50	6.5	134
224	Cannabinoid receptor 1 (CNR1) gene: impact on antidepressant treatment response and emotion processing in major depression. <i>European Neuropsychopharmacology</i> , 2008 , 18, 751-9	1.2	124
223	Hippocampal atrophy in major depression: a function of childhood maltreatment rather than diagnosis?. <i>Neuropsychopharmacology</i> , 2014 , 39, 2723-31	8.7	122
222	Neural correlates of trait anxiety in fear extinction. <i>Psychological Medicine</i> , 2011 , 41, 789-98	6.9	121
221	Oxytocin receptor gene methylation: converging multilevel evidence for a role in social anxiety. <i>Neuropsychopharmacology</i> , 2015 , 40, 1528-38	8.7	118
220	Nerve fiber impairment of anterior thalamocortical circuitry in juvenile myoclonic epilepsy. <i>Neurology</i> , 2008 , 71, 1981-5	6.5	114
219	Insular and hippocampal gray matter volume reductions in patients with major depressive disorder. <i>PLoS ONE</i> , 2014 , 9, e102692	3.7	106
218	Association of the functional -1019C/G 5-HT1A polymorphism with prefrontal cortex and amygdala activation measured with 3 T fMRI in panic disorder. <i>International Journal of Neuropsychopharmacology</i> , 2006 , 9, 349-55	5.8	106
217	Reward Processing in Unipolar and Bipolar Depression: A Functional MRI Study. <i>Neuropsychopharmacology</i> , 2015 , 40, 2623-31	8.7	105
216	Correcting eddy current and motion effects by affine whole-brain registrations: evaluation of three-dimensional distortions and comparison with slicewise correction. <i>Magnetic Resonance in Medicine</i> , 2010 , 64, 1047-56	4.4	105
215	In vivo imaging of glucose consumption and lactate concentration in human gliomas. <i>Annals of Neurology</i> , 1992 , 31, 319-27	9.4	101
214	Serotonergic genes modulate amygdala activity in major depression. <i>Genes, Brain and Behavior</i> , 2007 , 6, 672-6	3.6	100
213	Abnormal brain activation during movement observation in patients with conversion paralysis. <i>NeuroImage</i> , 2006 , 29, 1336-43	7.9	93
212	Craving in alcohol-dependent patients after detoxification is related to glutamatergic dysfunction in the nucleus accumbens and the anterior cingulate cortex. <i>Neuropsychopharmacology</i> , 2013 , 38, 1401-8	8.7	90
211	Imaging short- and long-term training success in chronic aphasia. <i>BMC Neuroscience</i> , 2009 , 10, 118	3.2	90
210	Amygdala reactivity to masked negative faces is associated with automatic judgmental bias in major depression: a 3 T fMRI study. <i>Journal of Psychiatry and Neuroscience</i> , 2007 , 32, 423-9	4.5	89
209	Absolute metabolite quantification by in vivo NMR spectroscopy: II. A multicentre trial of protocols for in vivo localised proton studies of human brain. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 1093-106	3.3	88
208	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017 , 11, 1497-1514	4.1	87

207	Impact of working memory load on fMRI resting state pattern in subsequent resting phases. <i>PLoS ONE</i> , 2009 , 4, e7198	3.7	84
206	Amygdala reactivity predicts automatic negative evaluations for facial emotions. <i>Psychiatry Research - Neuroimaging</i> , 2007 , 154, 13-20	2.9	82
205	Evidence for a neural correlate of a framing effect: bias-specific activity in the ventromedial prefrontal cortex during credibility judgments. <i>Brain Research Bulletin</i> , 2005 , 67, 413-21	3.9	82
204	Influence of the catechol-O-methyltransferase val158met genotype on amygdala and prefrontal cortex emotional processing in panic disorder. <i>Psychiatry Research - Neuroimaging</i> , 2008 , 163, 13-20	2.9	81
203	Emotion regulation and trait anxiety are predicted by the microstructure of fibers between amygdala and prefrontal cortex. <i>Journal of Neuroscience</i> , 2015 , 35, 6020-7	6.6	80
202	Metabolic changes in acute and subacute cerebral infarctions: findings at proton MR spectroscopic imaging. <i>Radiology</i> , 1995 , 196, 203-10	20.5	80
201	Amygdala excitability to subliminally presented emotional faces distinguishes unipolar and bipolar depression: an fMRI and pattern classification study. <i>Human Brain Mapping</i> , 2014 , 35, 2995-3007	5.9	79
200	Integrity of the hippocampus and surrounding white matter is correlated with language training success in aphasia. <i>NeuroImage</i> , 2010 , 53, 283-90	7.9	79
199	External targeted navigation of ultra-small iron-oxide (U/SPIO) nanoparticles by an external permanent magnet - proof-of-principle as a prerequisite for magnetic drug delivery using U/SPIO. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17,	6.9	78
198	Obesity and major depression: Body-mass index (BMI) is associated with a severe course of disease and specific neurostructural alterations. <i>Psychoneuroendocrinology</i> , 2015 , 51, 219-26	5	78
197	Neuropeptide Y (NPY) gene: Impact on emotional processing and treatment response in anxious depression. <i>European Neuropsychopharmacology</i> , 2010 , 20, 301-9	1.2	78
196	Alexithymic features and automatic amygdala reactivity to facial emotion. <i>Neuroscience Letters</i> , 2008 , 435, 40-4	3.3	78
195	Neuropeptide-S (NPS) receptor genotype modulates basolateral amygdala responsiveness to aversive stimuli. <i>Neuropsychopharmacology</i> , 2011 , 36, 1879-85	8.7	76
194	Diffeomorphic susceptibility artifact correction of diffusion-weighted magnetic resonance images. <i>Physics in Medicine and Biology</i> , 2012 , 57, 5715-31	3.8	75
193	Phosphorus-31 MR spectroscopy of normal adult human brain and brain tumours. <i>NMR in Biomedicine</i> , 2002 , 15, 18-27	4.4	75
192	Age related signal decrease in functional magnetic resonance imaging during motor stimulation in humans. <i>Neuroscience Letters</i> , 2001 , 308, 141-4	3.3	75
191	Mood-congruent amygdala responses to subliminally presented facial expressions in major depression: associations with anhedonia. <i>Journal of Psychiatry and Neuroscience</i> , 2013 , 38, 249-58	4.5	73
190	Neuroimaging differences in spatial cognition between men and male-to-female transsexuals before and during hormone therapy. <i>Journal of Sexual Medicine</i> , 2010 , 7, 1858-67	1.1	73

189	Nonlinear responses within the medial prefrontal cortex reveal when specific implicit information influences economic decision making 2005 , 15, 171-82		73
188	Multimodal imaging of functional networks and event-related potentials in performance monitoring. <i>NeuroImage</i> , 2011 , 56, 1588-97	7.9	71
187	Discriminating unipolar and bipolar depression by means of fMRI and pattern classification: a pilot study. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2013 , 263, 119-31	5.1	70
186	Emotion specific modulation of automatic amygdala responses by 5-HTTLPR genotype. <i>NeuroImage</i> , 2010 , 53, 893-8	7.9	70
185	Widespread white matter microstructural abnormalities in bipolar disorder: evidence from mega- and meta-analyses across 3033 individuals. <i>Neuropsychopharmacology</i> , 2019 , 44, 2285-2293	8.7	68
184	Hazardous situation in the MR bore: induction in ECG leads causes fire. <i>European Radiology</i> , 2003 , 13, 690-4	8	68
183	Attachment avoidance modulates neural response to masked facial emotion. <i>Human Brain Mapping</i> , 2009 , 30, 3553-62	5.9	67
182	Quantitative measurements with localized 1H MR spectroscopy in children with Canavan's disease. <i>Journal of Magnetic Resonance Imaging</i> , 1996 , 6, 889-93	5.6	67
181	In vitro evaluation of intravascular stent artifacts in three-dimensional MR angiography. <i>Investigative Radiology</i> , 2001 , 36, 218-24	10.1	64
180	Microstructural and volumetric abnormalities of the putamen in juvenile myoclonic epilepsy. <i>Epilepsia</i> , 2011 , 52, 1715-24	6.4	62
179	Combining EEG and MEG for the reconstruction of epileptic activity using a calibrated realistic volume conductor model. <i>PLoS ONE</i> , 2014 , 9, e93154	3.7	61
178	Catechol-O-methyltransferase gene variation: impact on amygdala response to aversive stimuli. <i>NeuroImage</i> , 2012 , 60, 2222-9	7.9	60
177	Interleukin-6 gene (IL-6): a possible role in brain morphology in the healthy adult brain. <i>Journal of Neuroinflammation</i> , 2012 , 9, 125	10.1	59
176	Working-memory fMRI reveals cingulate hyperactivation in euthymic major depression. <i>Human Brain Mapping</i> , 2009 , 30, 2746-56	5.9	59
175	Combined EEG/MEG can outperform single modality EEG or MEG source reconstruction in presurgical epilepsy diagnosis. <i>PLoS ONE</i> , 2015 , 10, e0118753	3.7	59
174	Acute and subacute intracerebral hemorrhages: comparison of MR imaging at 1.5 and 3.0 T--initial experience. <i>Radiology</i> , 2004 , 232, 874-81	20.5	58
173	Mediation of the influence of childhood maltreatment on depression relapse by cortical structure: a 2-year longitudinal observational study. <i>Lancet Psychiatry</i> , 2019 , 6, 318-326	23.3	55
172	Volume estimation of the thalamus using freesurfer and stereology: consistency between methods. <i>Neuroinformatics</i> , 2012 , 10, 341-50	3.2	55

171	Learning potential on the WCST in schizophrenia is related to the neuronal integrity of the anterior cingulate cortex as measured by proton magnetic resonance spectroscopy. <i>Schizophrenia Research</i> , 2008 , 106, 156-63	3.6	55
170	High-resolution magnetic resonance imaging of the temporomandibular joint: image quality at 1.5 and 3.0 Tesla in volunteers. <i>Investigative Radiology</i> , 2007 , 42, 428-34	10.1	55
169	Disadvantage of Social Sensitivity: Interaction of Oxytocin Receptor Genotype and Child Maltreatment on Brain Structure. <i>Biological Psychiatry</i> , 2016 , 80, 398-405	7.9	54
168	FLAIR imaging for multiple sclerosis: a comparative MR study at 1.5 and 3.0 Tesla. <i>European Radiology</i> , 2006 , 16, 915-21	8	53
167	Association of Serotonin Transporter Gene AluJb Methylation with Major Depression, Amygdala Responsiveness, 5-HTTLPR/rs25531 Polymorphism, and Stress. <i>Neuropsychopharmacology</i> , 2018 , 43, 1308-1316	8.7	53
166	Tumor necrosis factor gene variation predicts hippocampus volume in healthy individuals. <i>Biological Psychiatry</i> , 2012 , 72, 655-62	7.9	52
165	Theory of mind in patients with schizophrenia: is mentalizing delayed?. <i>Schizophrenia Research</i> , 2012 , 137, 224-9	3.6	52
164	Clinical and diagnostic value of preoperative MR mammography and FDG-PET in suspicious breast lesions. <i>European Radiology</i> , 2003 , 13, 1651-6	8	52
163	Childhood adversity impacts on brain subcortical structures relevant to depression. <i>Journal of Psychiatric Research</i> , 2017 , 86, 58-65	5.2	50
162	Serotonin transporter gene methylation is associated with hippocampal gray matter volume. <i>Human Brain Mapping</i> , 2014 , 35, 5356-67	5.9	50
161	Increased amygdala activation during automatic processing of facial emotion in schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2010 , 182, 200-6	2.9	50
160	Noninvasive detection of increased glycine content by proton MR spectroscopy in the brains of two infants with nonketotic hyperglycinemia. <i>American Journal of Neuroradiology</i> , 1993 , 14, 629-35	4.4	50
159	Amygdala responsiveness to emotional words is modulated by subclinical anxiety and depression. <i>Behavioural Brain Research</i> , 2012 , 233, 508-16	3.4	49
158	Alexithymia is related to differences in gray matter volume: a voxel-based morphometry study. <i>Brain Research</i> , 2013 , 1491, 60-7	3.7	49
157	Anterior cingulate reflects susceptibility to framing during attractiveness evaluation. <i>NeuroReport</i> , 2007 , 18, 1119-23	1.7	48
156	The functional anatomy of semantic retrieval is influenced by gender, menstrual cycle, and sex hormones. <i>Journal of Neural Transmission</i> , 2008 , 115, 1327-37	4.3	47
155	Using implicit association tests for the assessment of implicit personality self-concepts of extraversion and neuroticism in schizophrenia. <i>Psychiatry Research</i> , 2014 , 218, 272-6	9.9	46
154	SPIDER OR NO SPIDER? NEURAL CORRELATES OF SUSTAINED AND PHASIC FEAR IN SPIDER PHOBIA. <i>Depression and Anxiety</i> , 2015 , 32, 656-63	8.4	46

153	Diffusion-tensor imaging at 3 T: detection of white matter alterations in neurological patients on the basis of normal values. <i>Investigative Radiology</i> , 2007 , 42, 338-45	10.1	46
152	Cytoplasmic pH of <i>Dunaliella parva</i> and <i>Dunaliella acidophila</i> as monitored by in vivo ³¹ P-NMR spectroscopy and the DMO method. <i>Physiologia Plantarum</i> , 1988 , 74, 521-530	4.6	46
151	Are you gonna leave me? Separation anxiety is associated with increased amygdala responsiveness and volume. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 278-84	4	45
150	Neural activation underlying acute grief in women after the loss of an unborn child. <i>American Journal of Psychiatry</i> , 2009 , 166, 1402-10	11.9	45
149	Neural correlates of set-shifting: decomposing executive functions in schizophrenia. <i>Journal of Psychiatry and Neuroscience</i> , 2010 , 35, 321-9	4.5	44
148	Automatic brain response to facial emotion as a function of implicitly and explicitly measured extraversion. <i>Neuroscience</i> , 2010 , 167, 111-23	3.9	43
147	Amygdala activation during masked presentation of emotional faces predicts conscious detection of threat-related faces. <i>Brain and Cognition</i> , 2006 , 61, 243-8	2.7	43
146	A voxel-based diffusion tensor imaging study in unipolar and bipolar depression. <i>Bipolar Disorders</i> , 2017 , 19, 23-31	3.8	42
145	Prefrontal gray matter volume mediates genetic risks for obesity. <i>Molecular Psychiatry</i> , 2017 , 22, 703-710	5.1	42
144	NCAN Cross-Disorder Risk Variant Is Associated With Limbic Gray Matter Deficits in Healthy Subjects and Major Depression. <i>Neuropsychopharmacology</i> , 2015 , 40, 2510-6	8.7	42
143	Magnetoencephalographic Correlates of Emotional Processing in Major Depression Before and After Pharmacological Treatment. <i>International Journal of Neuropsychopharmacology</i> , 2015 , 19,	5.8	42
142	High-resolution magnetic resonance imaging (MRI) at 3.0 Tesla in the short-term follow-up of patients with proven cervical artery dissection. <i>Investigative Radiology</i> , 2007 , 42, 460-6	10.1	42
141	Neural correlates of affective priming effects based on masked facial emotion: an fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2013 , 211, 239-45	2.9	41
140	The Limbic System in Youth Depression: Brain Structural and Functional Alterations in Adolescent In-patients with Severe Depression. <i>Neuropsychopharmacology</i> , 2018 , 43, 546-554	8.7	40
139	Early microstructural white matter changes in patients with HIV: a diffusion tensor imaging study. <i>BMC Neurology</i> , 2012 , 12, 23	3.1	39
138	Differential Abnormal Pattern of Anterior Cingulate Gyrus Activation in Unipolar and Bipolar Depression: an fMRI and Pattern Classification Approach. <i>Neuropsychopharmacology</i> , 2017 , 42, 1399-1408	8.7	38
137	Enhanced neural responsiveness to reward associated with obesity in the absence of food-related stimuli. <i>Human Brain Mapping</i> , 2015 , 36, 2330-7	5.9	38
136	Multimodal imaging of a tescalcin (TESC)-regulating polymorphism (rs7294919)-specific effects on hippocampal gray matter structure. <i>Molecular Psychiatry</i> , 2015 , 20, 398-404	15.1	38

135	Spontaneous acute dissection of the internal carotid artery: high-resolution magnetic resonance imaging at 3.0 tesla with a dedicated surface coil. <i>Investigative Radiology</i> , 2006 , 41, 105-11	10.1	38
134	The Global ECT-MRI Research Collaboration (GEMRIC): Establishing a multi-site investigation of the neural mechanisms underlying response to electroconvulsive therapy. <i>NeuroImage: Clinical</i> , 2017 , 14, 422-432	5.3	37
133	Adult attachment anxiety is associated with enhanced automatic neural response to positive facial expression. <i>Neuroscience</i> , 2012 , 220, 149-57	3.9	37
132	Alexithymic features and the labeling of brief emotional facial expressions - An fMRI study. <i>Neuropsychologia</i> , 2014 , 64, 289-99	3.2	35
131	Dunaliella acidophila (Kalina) Masyuk An alga with a positive membrane potential. <i>New Phytologist</i> , 1989 , 113, 175-184	9.8	35
130	The influence of spatial registration on detection of cerebral asymmetries using voxel-based statistics of fractional anisotropy images and TBSS. <i>PLoS ONE</i> , 2012 , 7, e36851	3.7	35
129	Magnetic resonance imaging protocols for examination of the neurocranium at 3 T. <i>European Radiology</i> , 2003 , 13, 2170-9	8	34
128	Hyperactivity and impulsivity in adult attention-deficit/hyperactivity disorder is related to glutamatergic dysfunction in the anterior cingulate cortex. <i>World Journal of Biological Psychiatry</i> , 2018 , 19, 538-546	3.8	32
127	How choice ambiguity modulates activity in brain areas representing brand preference: evidence from consumer neuroscience. <i>Journal of Consumer Behaviour</i> , 2008 , 7, 360-367	3	32
126	Elevated body-mass index is associated with reduced white matter integrity in two large independent cohorts. <i>Psychoneuroendocrinology</i> , 2018 , 91, 179-185	5	31
125	Evidence of an IFN- γ by early life stress interaction in the regulation of amygdala reactivity to emotional stimuli. <i>Psychoneuroendocrinology</i> , 2015 , 62, 166-73	5	30
124	Positron emission tomography and magnetic resonance spectroscopy of cerebral glycolysis in children with congenital lactic acidosis. <i>Annals of Neurology</i> , 1995 , 37, 351-8	9.4	30
123	A resting state fMRI analysis pipeline for pooling inference across diverse cohorts: an ENIGMA rs-fMRI protocol. <i>Brain Imaging and Behavior</i> , 2019 , 13, 1453-1467	4.1	30
122	Interactive impact of childhood maltreatment, depression, and age on cortical brain structure: mega-analytic findings from a large multi-site cohort. <i>Psychological Medicine</i> , 2020 , 50, 1020-1031	6.9	30
121	Association of Brain Cortical Changes With Relapse in Patients With Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2018 , 75, 484-492	14.5	29
120	Zoomed MRI Guided by Combined EEG/MEG Source Analysis: A Multimodal Approach for Optimizing Presurgical Epilepsy Work-up and its Application in a Multi-focal Epilepsy Patient Case Study. <i>Brain Topography</i> , 2017 , 30, 417-433	4.3	29
119	G-CSF prevents the progression of structural disintegration of white matter tracts in amyotrophic lateral sclerosis: a pilot trial. <i>PLoS ONE</i> , 2011 , 6, e17770	3.7	29
118	Threat sensitivity as assessed by automatic amygdala response to fearful faces predicts speed of visual search for facial expression. <i>Experimental Brain Research</i> , 2007 , 183, 51-9	2.3	29

117	Cognitive coping style modulates neural responses to emotional faces in healthy humans: a 3-T fMRI study. <i>Cerebral Cortex</i> , 2007 , 17, 2526-35	5.1	29
116	MR cholangiography in children with autosomal recessive polycystic kidney disease. <i>Pediatric Radiology</i> , 1999 , 29, 463-6	2.8	29
115	Anterior cingulate cortex activation is related to learning potential on the WCST in schizophrenia patients. <i>Brain and Cognition</i> , 2012 , 79, 245-51	2.7	28
114	Acute shift in glutamate concentrations following experimentally induced panic with cholecystokinin tetrapeptide--a 3T-MRS study in healthy subjects. <i>Neuropsychopharmacology</i> , 2013 , 38, 1648-54	8.7	28
113	Differing brain structural correlates of familial and environmental risk for major depressive disorder revealed by a combined VBM/pattern recognition approach. <i>Psychological Medicine</i> , 2016 , 46, 277-90	6.9	28
112	Effects of electroconvulsive therapy on amygdala function in major depression - a longitudinal functional magnetic resonance imaging study. <i>Psychological Medicine</i> , 2017 , 47, 2166-2176	6.9	27
111	A dynamic thorax phantom for the assessment of cardiac and respiratory motion correction in PET/MRI: A preliminary evaluation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 702, 59-63	1.2	27
110	3.0 T vs. 1.5 T MR angiography: in vitro comparison of intravascular stent artifacts. <i>Journal of Magnetic Resonance Imaging</i> , 2005 , 22, 772-9	5.6	27
109	MR sialography: initial experience using a T2-weighted fast SE sequence. <i>Journal of Computer Assisted Tomography</i> , 1997 , 21, 826-30	2.2	27
108	Voxel-based statistical analysis of fractional anisotropy and mean diffusivity in patients with unilateral temporal lobe epilepsy of unknown cause. <i>Journal of Neuroimaging</i> , 2013 , 23, 352-9	2.8	26
107	DTI detects water diffusion abnormalities in the thalamus that correlate with an extremity pain episode in a patient with multiple sclerosis. <i>NeuroImage: Clinical</i> , 2013 , 2, 258-62	5.3	26
106	Effect of gender on processing threat-related stimuli in patients with panic disorder: sex does matter. <i>Depression and Anxiety</i> , 2010 , 27, 1034-43	8.4	26
105	Proton magnetic resonance spectroscopy reflects metabolic decompensation in maple syrup urine disease. <i>Pediatric Radiology</i> , 1995 , 25, 296-9	2.8	26
104	A human post-mortem brain model for the standardization of multi-centre MRI studies. <i>NeuroImage</i> , 2015 , 110, 11-21	7.9	25
103	Difficulty identifying feelings and automatic activation in the fusiform gyrus in response to facial emotion. <i>Perceptual and Motor Skills</i> , 2008 , 107, 915-22	2.2	25
102	Magnetic resonance sialography. <i>Otolaryngology - Head and Neck Surgery</i> , 1999 , 121, 488-94	5.5	25
101	Dopamine D1 receptor gene variation: impact on electroconvulsive therapy response and ventral striatum responsiveness in depression. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 1443-59	5.8	24
100	MR imaging of the brain in large cohort studies: feasibility report of the population- and patient-based BiDirect study. <i>European Radiology</i> , 2017 , 27, 231-238	8	22

99	Automatic emotion processing as a function of trait emotional awareness: an fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2015 , 10, 680-9	4	22
98	RGS2 ggenetic variation: association analysis with panic disorder and dimensional as well as intermediate phenotypes of anxiety. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2015 , 168B, 211-22	3.5	22
97	Effects of cumulative illness severity on hippocampal gray matter volume in major depression: a voxel-based morphometry study. <i>Psychological Medicine</i> , 2018 , 48, 2391-2398	6.9	21
96	Lesion guided stereotactic radiofrequency thermocoagulation for palliative, in selected cases curative epilepsy surgery. <i>Epilepsy Research</i> , 2016 , 121, 39-46	3	21
95	Digital mammography screening: how many breast cancers are additionally detected by bilateral ultrasound examination during assessment?. <i>European Radiology</i> , 2013 , 23, 684-91	8	21
94	Safe performance of magnetic resonance imaging on a patient with an ICD. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005 , 28, 339-42	1.6	21
93	Social alienation in schizophrenia patients: association with insula responsiveness to facial expressions of disgust. <i>PLoS ONE</i> , 2014 , 9, e85014	3.7	21
92	Benefits of contrast-enhanced SWI in patients with glioblastoma multiforme. <i>European Radiology</i> , 2013 , 23, 2868-79	8	20
91	Automatic amygdala response to facial expression in schizophrenia: initial hyperresponsivity followed by hyporesponsivity. <i>BMC Neuroscience</i> , 2013 , 14, 140	3.2	20
90	Pattern and progression of white-matter changes in a case of posterior cortical atrophy using diffusion tensor imaging. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 432-6	5.5	20
89	MR imaging of poststenotic flow phenomena: experimental studies. <i>Journal of Magnetic Resonance Imaging</i> , 1991 , 1, 585-91	5.6	20
88	Alexithymia and the labeling of facial emotions: response slowing and increased motor and somatosensory processing. <i>BMC Neuroscience</i> , 2014 , 15, 40	3.2	19
87	Relation between 1H MR spectroscopic imaging and regional cerebral glucose metabolism in Alzheimer's disease. <i>International Journal of Neuroscience</i> , 2001 , 107, 233-45	2	19
86	Late resolution of diffusion-weighted MRI changes in a patient with prolonged reversible ischemic neurological deficit after thrombolytic therapy. <i>Stroke</i> , 2000 , 31, 2715-8	6.7	19
85	MANIA-a pattern classification toolbox for neuroimaging data. <i>Neuroinformatics</i> , 2014 , 12, 471-86	3.2	18
84	3.0 Tesla magnetic resonance angiography of endovascular aortic stent grafts: phantom measurements in comparison with 1.5 Tesla. <i>Investigative Radiology</i> , 2004 , 39, 413-7	10.1	18
83	Detection of colorectal polyps: comparison of multi-detector row CT and MR colonography in a colon phantom. <i>Radiology</i> , 2006 , 241, 125-31	20.5	17
82	Functional magnetic resonance imaging of human pontine auditory pathway. <i>Hearing Research</i> , 2001 , 158, 160-4	3.9	17

81	Low left amygdala volume is associated with a longer duration of unipolar depression. <i>Journal of Neural Transmission</i> , 2018 , 125, 229-238	4.3	17
80	Neuropeptide S receptor gene variation modulates anterior cingulate cortex Glx levels during CCK-4 induced panic. <i>European Neuropsychopharmacology</i> , 2015 , 25, 1677-82	1.2	15
79	Localized 31P MR spectroscopy of the transplanted human kidney in situ shows altered metabolism in rejection and acute tubular necrosis. <i>Journal of Magnetic Resonance Imaging</i> , 1997 , 7, 858-64	5.6	15
78	Prefrontal brain responsiveness to negative stimuli distinguishes familial risk for major depression from acute disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2017 , 42, 343-352	4.5	15
77	Large-scale evidence for an association between low-grade peripheral inflammation and brain structural alterations in major depression in the BiDirect study. <i>Journal of Psychiatry and Neuroscience</i> , 2019 , 44, 423-431	4.5	15
76	Functional parcellation of the inferior frontal and midcingulate cortices in a flanker-stop-change paradigm. <i>Human Brain Mapping</i> , 2013 , 34, 1501-14	5.9	14
75	Absolute metabolite quantification by in vivo NMR spectroscopy: III. Multicentre 1H MRS of the human brain addressed by one and the same data-analysis protocol. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 1107-11	3.3	14
74	In vivo P-31 NMR measurements of phosphate metabolism in <i>Platymonas subcordiformis</i> as related to external pH. <i>European Biophysics Journal</i> , 1987 , 14, 461-470	1.9	14
73	Diagnostic classification of unipolar depression based on resting-state functional connectivity MRI: effects of generalization to a diverse sample. <i>Journal of Neural Transmission</i> , 2017 , 124, 589-605	4.3	13
72	The mirror neuron system under hypnosis - brain substrates of voluntary and involuntary motor activation in hypnotic paralysis. <i>Cortex</i> , 2013 , 49, 437-45	3.8	13
71	Absolute metabolite quantification by in vivo NMR spectroscopy: IV. Multicentre trial on MRSI localisation tests. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 1113-25	3.3	13
70	Proton spectroscopic metabolite signal relaxation times in preterm infants: a prerequisite for quantitative spectroscopy in infant brain. <i>Journal of Magnetic Resonance Imaging</i> , 2003 , 17, 634-40	5.6	13
69	TNF receptors 1 and 2 exert distinct region-specific effects on striatal and hippocampal grey matter volumes (VBM) in healthy adults. <i>Genes, Brain and Behavior</i> , 2017 , 16, 352-360	3.6	12
68	Assessing alexithymia and emotional awareness: relations between measures in a German non-clinical sample. <i>Comprehensive Psychiatry</i> , 2014 , 55, 952-9	7.3	12
67	Influence of the hepatobiliary contrast agent mangafodipir trisodium (MN-DPDP) on the imaging properties of abdominal organs. <i>Magnetic Resonance Imaging</i> , 1998 , 16, 925-31	3.3	12
66	Qualitative and quantitative analysis of routinely postprocessed (CLEAR) CE-MRA data sets: are SNR and CNR calculations reliable?. <i>Academic Radiology</i> , 2008 , 15, 1111-7	4.3	12
65	MR-guided core biopsies using a closed 1.0 T imager. First clinical results. <i>European Journal of Radiology</i> , 2002 , 41, 19-25	4.7	12
64	High-resolution MR imaging of the cutis and subcutis. Histological correlation. <i>Acta Radiologica</i> , 1998 , 39, 547-53	2	12

63	Of Disgrace and Pain: R-corticolimbic interaction patterns for disorder-relevant and emotional words in social phobia. <i>PLoS ONE</i> , 2014 , 9, e109949	3.7	12
62	Observer-Rated Alexithymia and its Relationship with the Five-Factor-Model of Personality. <i>Psychologica Belgica</i> , 2016 , 56, 118-134	0.6	12
61	Prospective comparison of fast SE and GRASE sequences and echo planar imaging with conventional SE sequences in the detection of focal liver lesions at 1.0 T. <i>Journal of Computer Assisted Tomography</i> , 1997 , 21, 341-7	2.2	12
60	MRA in patients with cerebrovascular disease: Considerations of clinical effectiveness. <i>Acta Radiologica</i> , 2000 , 41, 1-7	2	11
59	Have we met before? Neural correlates of emotional learning in women with social phobia. <i>Journal of Psychiatry and Neuroscience</i> , 2014 , 39, E14-23	4.5	10
58	Influence of electroconvulsive therapy on white matter structure in a diffusion tensor imaging study. <i>Psychological Medicine</i> , 2020 , 50, 849-856	6.9	10
57	Sample heterogeneity in unipolar depression as assessed by functional connectivity analyses is dominated by general disease effects. <i>Journal of Affective Disorders</i> , 2017 , 222, 79-87	6.6	9
56	Excellent cognitive performance despite massive cerebral white matter changes. <i>Neuroradiology</i> , 2005 , 47, 749-52	3.2	9
55	Non-invasive determination of metabolite concentrations in human transplanted kidney in vivo by 31P MR spectroscopy. <i>Acta Radiologica</i> , 2000 , 41, 634-41	2	9
54	MR pulsatility measurements in peripheral arteries: preliminary results. <i>Magnetic Resonance in Medicine</i> , 1995 , 34, 698-705	4.4	9
53	Clot Analog Attenuation in Non-contrast CT Predicts Histology: an Experimental Study Using Machine Learning. <i>Translational Stroke Research</i> , 2020 , 11, 940-949	7.8	8
52	Alexithymia is associated with attenuated automatic brain response to facial emotion in clinical depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2016 , 65, 194-200	5.5	8
51	Brief learning induces a memory bias for arousing-negative words: an fMRI study in high and low trait anxious persons. <i>Frontiers in Psychology</i> , 2015 , 6, 1226	3.4	8
50	Intraoperative functional magnetic resonance imaging for monitoring the effect of deep brain stimulation in patients with obsessive-compulsive disorder. <i>Stereotactic and Functional Neurosurgery</i> , 2015 , 93, 30-7	1.6	8
49	4D phase contrast flow imaging for in-stent flow visualization and assessment of stent patency in peripheral vascular stents—a phantom study. <i>European Journal of Radiology</i> , 2012 , 81, e929-37	4.7	8
48	Diffusion-weighted magnetic resonance imaging at 3.0 Tesla in alcohol intoxication. <i>Psychiatry Research - Neuroimaging</i> , 2008 , 163, 52-60	2.9	8
47	fMRI studies of sensitivity and habituation effects within the auditory cortex at 1.5 T and 3 T. <i>Journal of Magnetic Resonance Imaging</i> , 2006 , 23, 454-8	5.6	8
46	Results of electrochemical therapy of colorectal liver metastases in rats followed up by MRI. <i>Investigative Radiology</i> , 2000 , 35, 289-94	10.1	8

45	The role of BDNF methylation and Val Met in amygdala reactivity during emotion processing. <i>Human Brain Mapping</i> , 2020 , 41, 594-604	5.9	8
44	Gray matter correlates of pressure pain thresholds and self-rated pain sensitivity: a voxel-based morphometry study. <i>Pain</i> , 2018 , 159, 1359-1365	8	7
43	MR Angiography of Peripheral Arterial Stents: In Vitro Evaluation of 22 Different Stent Types. <i>Radiology Research and Practice</i> , 2011 , 2011, 478175	2.3	7
42	High responsivity to threat during the initial stage of perception in repression: a 3 T fMRI study. <i>Social Cognitive and Affective Neuroscience</i> , 2012 , 7, 980-90	4	7
41	Proton MR spectroscopy in infants with cerebral energy deficiency due to hypoxia and metabolic disorders. <i>Acta Radiologica</i> , 1998 , 39, 701-10	2	7
40	Affective Flattening in Patients with Schizophrenia: Differential Association with Amygdala Response to Threat-Related Facial Expression under Automatic and Controlled Processing Conditions. <i>Psychiatry Investigation</i> , 2016 , 13, 102-11	3.1	7
39	Variations of ITSS-Morphology and their Relationship to Location and Tumor Volume in Patients with Glioblastoma. <i>Journal of Neuroimaging</i> , 2015 , 25, 1015-22	2.8	6
38	No evidence of DISC1-associated morphological changes in the hippocampus, anterior cingulate cortex, or striatum in major depressive disorder cases and healthy controls. <i>Journal of Affective Disorders</i> , 2014 , 166, 103-7	6.6	6
37	Fast sequences with fat suppression in breath-hold mode: new standard in contrast-enhanced T1-weighted MR imaging of renal tumors?. <i>European Radiology</i> , 2001 , 11, 2092-8	8	6
36	MR-guided biopsy using respiratory-triggered high-resolution T2-weighted sequences. <i>American Journal of Roentgenology</i> , 2000 , 174, 834-6	5.4	6
35	Detection of focal hepatic lesions: effects of superparamagnetic iron oxide (AMI-25) on magnetic resonance imaging of the liver using T2-weighted fast spin-echo sequences and gradient-and-spin-echo sequences at 1.0 tesla. <i>Investigative Radiology</i> , 1998 , 33, 61-7	10.1	6
34	Childhood maltreatment moderates the influence of genetic load for obesity on reward related brain structure and function in major depression. <i>Psychoneuroendocrinology</i> , 2019 , 100, 18-26	5	6
33	Apolipoprotein E Homozygous ϵ Allele Status: A Deteriorating Effect on Visuospatial Working Memory and Global Brain Structure. <i>Frontiers in Neurology</i> , 2019 , 10, 552	4.1	5
32	Alexithymia and automatic processing of facial emotions: behavioral and neural findings. <i>BMC Neuroscience</i> , 2020 , 21, 23	3.2	5
31	Brain response to masked and unmasked facial emotions as a function of implicit and explicit personality self-concept of extraversion. <i>Neuroscience</i> , 2017 , 340, 464-476	3.9	5
30	Influence of repressive coping style on cortical activation during encoding of angry faces. <i>PLoS ONE</i> , 2014 , 9, e112398	3.7	5
29	A variational approach for the correction of field-inhomogeneities in EPI sequences 2010 ,		5
28	Diagnostic performance of digital subtraction angiography (DSA) and magnetic resonance angiography (MRA): preliminary results in vascular occlusive disease of the abdominal and lower-extremity arteries. <i>European Journal of Radiology</i> , 1995 , 19, 77-85	4.7	5

27	Repetitive TMS temporarily alters brain diffusion. <i>Neurology</i> , 2004 , 62, 2144; author reply 2144-5	6.5	5
26	Time heals all wounds? A 2-year longitudinal diffusion tensor imaging study in major depressive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2019 , 44, 407-413	4.5	5
25	Fast and ultrafast magnetic resonance imaging in renal lesions. <i>Journal of Magnetic Resonance Imaging</i> , 1998 , 8, 1219-27	5.6	4
24	Magnetic resonance sialography. <i>Annals of Otology, Rhinology and Laryngology</i> , 1998 , 107, 530-5	2.1	4
23	Phase-contrast pulsatility measurements: preliminary results in normal and arteriosclerotic iliofemoral arteries. Work in progress. <i>Journal of Magnetic Resonance Imaging</i> , 1995 , 5, 201-6	5.6	4
22	The energy requirements of pH homeostasis define the limits of pH regulation--a model. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1990 , 1054, 33-40	4.9	4
21	Amygdalar Gray Matter Volume and Social Relating in Schizophrenia. <i>Neuropsychobiology</i> , 2016 , 74, 139-143	4	4
20	On-line monitoring of the Krebs cycle in isolated heart mitochondria by 13C NMR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 1992 , 30, 347-358	2.1	3
19	Reduced amygdala-prefrontal connectivity is associated with symptom severity in major depression. <i>Pharmacopsychiatry</i> , 2007 , 40,	2	3
18	Brain structural correlates of alexithymia in patients with major depressive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2020 , 45, 117-124	4.5	2
17	Structural and functional neural correlates of vigilant and avoidant regulation style. <i>Journal of Affective Disorders</i> , 2019 , 258, 96-101	6.6	2
16	FDG PET Fails to Detect a Disease-Specific Phenotype in Rats Transgenic for Huntington's Disease: A 15 Months Follow-up Study. <i>Journal of Huntington's Disease</i> , 2015 , 4, 37-47	1.9	2
15	Safety Considerations in Interventional MRI. <i>Medical Radiology</i> , 2012 , 77-88	0.2	2
14	Chronic renal failure promotes severe variant of vitamin B12 deficiency. <i>European Neurology</i> , 2006 , 56, 62-5	2.1	2
13	Cine Phase Contrast Angiography of Normal and Diseased Peripheral Arteries: Preliminary Results. <i>Acta Radiologica</i> , 1995 , 36, 649-655	2	2
12	Cine Phase Contrast Angiography of Normal and Diseased Peripheral Arteries. <i>Acta Radiologica</i> , 1995 , 36, 649-655	2	2
11	Improving the signal-to-noise ratio of NMR signals by reduction of inductive losses. <i>Journal of Magnetic Resonance</i> , 1991 , 91, 179-185		2
10	A Visual Analytics Approach for Comparing Cohorts in Single-Voxel Magnetic Resonance Spectroscopy Data. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1138, 115-136	3.6	1

9	Cortical and subcortical neuroanatomical signatures of schizotypy in 3004 individuals assessed in a worldwide ENIGMA study. <i>Molecular Psychiatry</i> , 2021 ,	15.1	1
8	Cortical and Subcortical Neuroanatomical Signatures of Schizotypy in 3,004 Individuals Assessed in a Worldwide ENIGMA Study		1
7	Social support and hippocampal volume are negatively associated in adults with previous experience of childhood maltreatment. <i>Journal of Psychiatry and Neuroscience</i> , 2021 , 46, E328-E336	4.5	1
6	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling.. <i>Science Advances</i> , 2022 , 8, eabg9471	14.3	0
5	Novelty seeking is associated with increased body weight and orbitofrontal grey matter volume reduction. <i>Psychoneuroendocrinology</i> , 2021 , 126, 105148	5	0
4	Volume transition analysis: a new approach to resolve reclassification of brain tissue in repeated MRI scans. <i>Journal of Neuroscience Methods</i> , 2015 , 243, 78-83	3	
3	Lokale Therapie von Leber-metastasen kolorektaler Karzinome. Lasertherapie vs. Gleichstrombehandlung im Rattenmodell. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2001 , 173, 668-670	2.3	
2	Acute soft tissue injury to the temporomandibular joint and posttraumatic assessment after mandibular condyle fractures: a longitudinal prospective MRI study. <i>Dentomaxillofacial Radiology</i> , 2021 , 20210148	3.9	
1	Acid Resistance and the CO ₂ Conductance of the Plasma Membrane of <i>Dunaliella acidophila</i> 1990 , 3563-3566		